

# Fisheries

School of Fisheries and Ocean Sciences  
Program in Fisheries  
(907) 474-7289  
www.sfos.uaf.edu/academics/

## M.S., Ph.D. Degrees

Minimum Requirements for Degrees: M.S.: 30 credits;  
Ph.D.: 18 thesis credits

Graduate degree program students attend classes and work with faculty in Juneau and/or Fairbanks. Academic programs can be developed in one of the following subject areas: fisheries management (Juneau and Fairbanks), fish/invertebrate biology (Juneau and Fairbanks) and aquaculture (Juneau). Research assistantships are available. Applicants should contact the fisheries program for further information and application forms.

Fairbanks' geographic location is advantageous for the study of interior Alaska aquatic habitats. A number of subarctic streams and lakes are within easy reach. Main access to the marine environment from the Fairbanks campus is in Prince William Sound and Cook Inlet.

The Juneau Center, School of Fisheries and Ocean Sciences, houses the UAF fisheries science program in southeast Alaska. The Juneau Center has well-equipped labs, including freshwater and seawater wet labs and computer labs. There is ready access to both marine and freshwater habitats. The Juneau Center is located near the Auke Bay National Marine Fisheries Service Laboratory north of Juneau. The Fishery Industrial Technology Center is located in Kodiak. It has new facilities for work in harvest technology, seafood technology, seafood biochemistry and microbiology.

Fisheries students in Fairbanks and Juneau have an opportunity to associate with personnel of federal and state conservation agencies. These agencies often hire students for summer field work.

## Graduate Program—M.S. Degree

1. Complete the following admission requirements:
  - a. Prerequisites: calculus, elementary statistics, ichthyology or invertebrate zoology and computer competency.
  - b. Submit GRE scores.
2. Complete the general university requirements (page 182).
3. Complete the master's degree requirements (page 186).
4. Complete the following:

FISH 699—Thesis .....	6-12
STAT 401—Regression and Analysis of Variance .....	4
Electives including at least one:	
FISH 421—Fisheries Population Dynamics .....	4
FISH 601—Quantitative Fishery Science .....	3
FISH 621—Advanced Fish Population Dynamics .....	4
FISH 622—Advanced Fish Population Dynamics II .....	4
Graduate seminars.....	2
5. Minimum credits required .....30  
*Note: Students working in subject areas involving significant non-English literature may be expected to read the appropriate foreign language.*

## Graduate Program—Ph.D. Degree

1. Complete the following admission requirement:
  - a. Complete a master's degree in a fisheries-related field.
  - b. Submit GRE scores.
2. Complete the general university requirements (page 182).
3. Complete the Ph.D. degree requirements (page 186).
4. Complete at least one year of full-time course work, as approved by the student's advisory committee.
5. Complete a thesis.
6. Minimum credits required .....18